

SHARING INFORMATION BETWEEN INSTANCES OF A PROPOSITIONAL
SATISFIABILITY PROBLEM

ABSTRACT

A technique is disclosed for sharing information
5 between closely-related SAT instances (instances with a
non-empty intersection between their sets of clauses),
which enables a speed-up in the overall solution time.
This technique is particularly effective in SAT-based
bounded model checking (BMC), and in problems of planning
10 and logistics.

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